Claims

1. A thermal head control method of controlling heating energy to a thermal head perforating stencil material unrolled from a stencil material roll characterized by the steps of

5   obtaining a residue of the stencil material in the stencil material roll, and

controlling the heating energy to the thermal head on the basis of the residue of the stencil material obtained.

2. A thermal head control method as defined in Claim 1 in

10   which the kind of the stencil material is obtained and the heating energy to the thermal head is controlled on the basis of the kind of the stencil material obtained and the residue.

3. A thermal head control method as defined in Claim 1 in which the elapsed time from the production of the stencil material

15   roll is obtained and the heating energy to the thermal head is controlled on the basis of the elapsed time from the production of the stencil material roll obtained and the residue.

4. A thermal head control method of controlling heating energy to a thermal head perforating stencil material unrolled from

20   a stencil material roll characterized by the steps of

obtaining the elapsed time from the production of the stencil material roll, and

controlling the heating energy to the thermal head on the basis of the elapsed time.

25   5. A thermal head control method as defined in Claim 4 in which the kind of the stencil material is obtained and the heating energy to the thermal head is controlled on the basis of the kind of the stencil material obtained and the elapsed time.

6. A thermal head control system for controlling heating

30   energy to a thermal head perforating stencil material unrolled from a stencil material roll characterized by

a residue obtaining means which obtains a residue of the stencil material in the stencil material roll, and

a thermal head controlling means which controls the heating

35   energy to the thermal head on the basis of the residue obtained by

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the residue obtaining means.

7. A thermal head control system as defined in Claim 6 further comprising a temperature detecting means which detects the working environmental temperature of the thermal head wherein the thermal head controlling means controls the heating energy to the thermal head on the basis of the working environmental temperature of the thermal head detected by the temperature detecting means and the residue.

8. A thermal head control system as defined in Claim 6 further comprising a kind obtaining means which obtains the kind of the stencil material wherein the thermal head controlling means controls the heating energy to the thermal head on the basis of the kind of the stencil material obtained by the kind obtaining means and the residue.

9. A thermal head control system as defined in Claim 6 further comprising an elapsed time obtaining means which obtains the elapsed time from the production of the stencil material roll wherein the thermal head controlling means controls the heating energy to the thermal head on the basis of the elapsed time from the production of the stencil material roll obtained by the elapsed time obtaining means and the residue.

10. A thermal head control system for controlling heating energy to a thermal head perforating stencil material unrolled from a stencil material roll characterized by

an elapsed time obtaining means which obtains the elapsed time from the production of the stencil material roll, and

a thermal head controlling means which controls the heating energy to the thermal head on the basis of the elapsed time obtained by the elapsed time obtaining means.

11. A thermal head control system as defined in Claim 10 further comprising a temperature detecting means which detects the working environmental temperature of the thermal head wherein the thermal head controlling means controls the heating energy to the thermal head on the basis of the working environmental temperature of the thermal head detected by the temperature detecting means and

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the elapsed time.

12. A thermal head control system as defined in Claim 10 further comprising a kind obtaining means which obtains the kind of the stencil material and the thermal head controlling means controls the heating energy to the thermal head on the basis of the kind of the stencil material obtained by the kind obtaining means and the elapsed time.

13. A thermal head control system as defined in any one of Claims 6 to 9 in which the stencil material roll is provided with a storage means which stores residue data according to the residue of the stencil material and the residue obtaining means may obtain the residue of the stencil material on the basis of the residue data read out from the storage means.

14. A thermal head control system as defined in any one of Claims 9 to 12 in which the stencil material roll is provided with a storage means which stores date data on the date of production of the stencil material roll and

the elapsed time obtaining means obtains the elapsed time on the basis of the date data on the date of production of the stencil material roll read out from the storage means.

15. A thermal head control system as defined in any one of Claims 8 to 12 in which the stencil material roll is provided with a storage means which stores kind data according to the kind of the stencil material and

the kind obtaining means is a means for reading out the kind data from the storage means.

16. A stencil material roll used for carrying out the thermal head control method defined in any one of Claims 1 to 3 comprising a storage means which stores residue data according to the residue of the stencil material.

17. A stencil material roll used for carrying out the thermal head control method defined in Claim 2 or 5 comprising a storage means which stores kind data according to the kind of the stencil material.

18. A stencil material roll used for carrying out the thermal

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head control method defined in any one of Claims 3 to 5 comprising a storage means which stores date data on the date of production of the stencil material roll.